



City of Chattanooga

Mayor Andy Berke

April 27, 2017

VIA CERTIFIED MAIL

Ms. Sara Janovitz
Environmental Engineer
Clean Water Enforcement Branch
US EPA-Region 4
61 Forsyth Street, SW
Atlanta, GA 30303

**Re: *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245*
Quarterly Report No. 15 – January, 2017 to March, 2017**

Dear Ms. Janovitz:

On behalf of the City of Chattanooga, Tennessee ("City"), and in accordance with the Consent Decree entered by the United States District Court for the Eastern District of Tennessee (Southern Division), on April 24, 2013, in the case styled the United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the fifteenth quarterly report required pursuant to paragraph 38 of the Consent Decree. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the Consent Decree.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Ms. Sara Janovitz
April 27, 2017
Page Two

Please let me know if you have any questions regarding our submittal.

Sincerely,



Jeffrey A. Rose, P.E.
Deputy Director, Waste Resources Division

Enclosure

cc: Karl Fingerhood, Esq., US DOJ
Chief, Environmental Enforcement Section, US DOJ
Chief, Clean Water Enforcement Branch, US EPA Region 4
Bill Bush, Esq., US EPA
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Mike Marino, P.E., Jacobs Engineering



Quarterly Report No. 15

January 1, 2017 – March 31, 2017

Prepared for

**United States Environmental Protection Agency
and Tennessee Department of Environment and
Conservation**

City of Chattanooga
Waste Resources Division
Consent Decree Program
Case No. 1:12-cv-00245

Prepared by

City of Chattanooga
Waste Resources Division

Submitted by

JACOBS®

Jacobs Engineering Group Inc.
Consent Decree Program Manager

Chattanooga, Tennessee

April 27, 2017

Contents

1.0	Introduction	1
1.1	Purpose	1
1.2	Requirements	1
2.0	SSO Events	2
3.0	Moccasin Bend WWTP Bypasses	6
4.0	CSO Outfall Discharges	7

Tables

2-1	Quarterly SSO Report	3
4-1	Quarterly CSO Outfall Discharge Report	8

Acronyms and Abbreviations

Ave	Avenue
CD	Consent Decree
CFR	Code of Federal Regulations
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
Dr	Drive
EPA	Environmental Protection Agency
Gal	Gallons
Hrs	Hours
Hwy	Highway
Ln	Lane
MBWWTP	Moccasin Bend Waste Water Treatment Plant
MG	Million Gallons
MH	Manhole
N/A	Not Applicable
No.	Number
NPDES	National Pollutant Discharge Elimination System
PS	Pump Station
Rd	Road
SSO	Sanitary Sewer Overflow
St	Street
TDEC	Tennessee Department of Environment and Conservation
Trl	Trail
UNK	Unknown
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

1.0 Introduction

1.1 Purpose

The City of Chattanooga entered into a consent decree with the United States and the State of Tennessee in the case styled *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245* (“CD”), which became effective on April 24, 2013. Pursuant to Section IX, paragraph 38 of the CD, Chattanooga is required to submit reports on a quarterly basis to the Environmental Protection Agency (“EPA”) and Tennessee Department of Environment and Conservation (“TDEC”). Chattanooga has prepared Quarterly Report No.15 to satisfy the reporting requirements of the CD. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the CD.

1.2 Requirements

As detailed in Section IX, paragraph 38 of the CD, Chattanooga is required to report the date, time, location, source, estimated duration and volume, and receiving water of the following events:

1. Sanitary sewer overflow (“SSO”) events occurring during the reporting period;
2. Combined sewer overflow (“CSO”) outfall discharges occurring during the reporting period;
and
3. Bypasses at the Moccasin Bend Wastewater Treatment Plant (“MBWWTP”) occurring during the reporting period.

This information is provided in tabular form in Sections 2.0 – 4.0 of this report.

2.0 SSO Events

For the reporting period of January 1, 2017 through March 31, 2017, Chattanooga experienced the SSOs listed in Table 2-1. An SSO event is defined in paragraph 8.(nn) of the CD as “any discharge of wastewater to waters of the United States or State from Chattanooga’s Sewer System through a point source not permitted in any National Pollutant Discharge Elimination System (“NPDES”) permit, as well as any overflow, spill, or release of wastewater to public or private property from the Sewer System that may not have reached waters of the United States or the State, including all building backups.”

Table 2-1
Quarterly SSO Report

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
1	02-Jan-17	2:20 PM	2114 E 4th St	Manhole	S146F080	4.42	2,385	Storm Drain	Blockage - Trash/Debris
2	04-Jan-17	8:43 AM	2032 Avalon Ave	Manhole	S127A066	2.42	870	Storm Drain	Blockage - Trash/Debris
3	06-Jan-17	8:00 AM	3906 Blanchard St	Manhole	S147J502	1.92	460	Storm Drain	Blockage - Grease
4	13-Jan-17	6:20 PM	146 Brelsford Rd	Manhole	S135J009	1.50	315	Land*	Blockage - Trash/Debris
5	20-Jan-17	6:00 AM	1022 Shallowford Rd	Manhole	S147G104	101.25	30,375	South Chickamauga Creek	Wet Weather
6	20-Jan-17	8:27 AM	1207 Radmoor Ln	Manhole	S158K090	27.30	9,914	South Chickamauga Creek	Wet Weather
7 ²	20-Jan-17	8:47 AM	End of N Concord Rd	Manhole	S158N065	27.23	4,902	South Chickamauga Creek	Wet Weather
8 ²	20-Jan-17	8:48 AM	1033 Lupton Dr	Manhole	S118K036	28.98	7,971	Tennessee River	Wet Weather
9 ²	20-Jan-17	8:55 AM	3728 Wilcox Blvd (rear)	Manhole	S147B301	25.55	2,418	Storm Drain	Wet Weather
10 ²	20-Jan-17	10:11 AM	2001 S Kelley St	Manhole	S156G030	26.90	2,152	Dobbs Branch	Wet Weather
11 ²	20-Jan-17	10:15 AM	1900 E 25th St Place	Manhole	S156J057	26.90	1,883	Storm Drain	Wet Weather
12 ²	20-Jan-17	10:22 AM	2109 Lynnbrook Ave	Manhole	S156G048	26.55	4,514	Dobbs Branch	Wet Weather
13	20-Jan-17	1:40 PM	1000 Mission Ave	Manhole	S146D422	0.67	1,067	Storm Drain	Blockage - Roots
14	23-Jan-17	12:15 AM	1610 Elm St (DuPont PS)	Manhole	S118E057	6.75	2,025	Tennessee River	Wet Weather
15	23-Jan-17	3:55 AM	122 Rowland Gap Rd	Main Line	UNK ¹	3.92	583,000	Tennessee River	Wet Weather

Table 2-1
Quarterly SSO Report

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
16	23-Jan-17	8:53 AM	914 Sterling Ave	Manhole	S136H107	3.62	3,617	Tennessee River	Wet Weather
17	23-Jan-17	9:06 AM	1033 Lupton Dr	Manhole	S118K036	29.15	43,675	Tennessee River	Wet Weather
18 ²	23-Jan-17	9:07 AM	3728 Wilcox Blvd	Manhole	S147B301	26.13	6,011	Storm Drain	Wet Weather
19	23-Jan-17	9:37 AM	1108 N Concord Rd	Manhole	S158N065	96.38	34,698	South Chickamauga Creek	Wet Weather
20	23-Jan-17	10:30 AM	1829 Arcie Dr	Manhole	S137N041	24.75	4,455	South Chickamauga Creek	Wet Weather
21	24-Jan-17	12:30 PM	1 Frawley Rd	Manhole	Unassigned	46.50	27,900	South Chickamauga Creek	Wet Weather
22	24-Jan-17	2:30 PM	1005 Audubon trl	Manhole	S170C001	45.02	45,917	Mackey Branch	Wet Weather
23	25-Jan-17	1:30 PM	3801 Jarren Ct	Manhole	S118C018	25.00	10,500	Storm Drain	Break
24 ²	30-Jan-17	11:48 AM	3611 Sapulpa St	Manhole	S128O048	2.53	1,597	Storm Drain	Blockage - Trash/Debris
25	13-Feb-17	10:21 AM	2110 Wisteria Dr	Main Line	N/A	46.65	15	Land*	Defect(s)
26	15-Feb-17	11:45 AM	3013 12th Ave	Main Line	N/A	0.00	25	Structure*	Construction/Maintenance Related
27	22-Feb-17	2:42 PM	4000 7th Ave	Main Line	N/A	16.97	500	Chattanooga Creek	Break
28	01-Mar-17	8:00 AM	816 Boy Scout Rd. (Boy Scout PS)	Manhole	S082P014	0.08	125	Land*	Power Failure from Power Source
29	01-Mar-17	9:00 AM	1 Frawley Rd	Pump Station	Unassigned	23.17	6,950	South Chickamauga Creek	Wet Weather

Table 2-1
Quarterly SSO Report

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
30	13-Mar-17	10:45 AM	4505 Rogers Rd	Service Line	N/A	0.50	38	Structure*	Blockage - Roots
31	15-Mar-17	3:10 PM	1 Frawley Rd	Manhole	Unassigned	0.25	350	South Chickamauga Creek	Blockage - General
32	18-Mar-17	2:30 PM	700 Ely Rd	Service Line	N/A	2.00	200	Structure*	Blockage - Gravel
33	21-Mar-17	12:31 PM	1205 Shallowford Rd	Service Line	N/A	2.32	153	Land*	Blockage - Roots
34	22-Mar-17	3:55 AM	811 Boy Scout Rd. (Boy Scout P.S.)	Pump Station	N/A	4.58	6,875	North Chickamauga Creek	Power Failure from Power Source
35	26-Mar-17	4:00 PM	1 Frawley Rd	Manhole	Unassigned	0.25	375	South Chickamauga Creek	Construction/Maintenance Related
36	28-Mar-17	4:00 PM	3656 Thrushwood Dr	Manhole	S118B056	UNK ¹	2,805	Land*	Blockage - Roots

¹ This information was not available at time of reporting

² Common Cause, within 500 yards of separate event

* Did not reach waters of the United States.

3.0 Moccasin Bend WWTP Bypasses

The CD sets forth the same definition for bypass as the EPA's regulations at 40 C.F.R. § 122.41(m), which defines a bypass as the intentional diversion of waste streams from any portion of a treatment facility. The City's current NPDES permit defines a bypass as the intentional diversion of wastewater away from any portion of a treatment facility other than through peak excess flow treatment facilities or permitted outfalls in accordance with both the long-term control plan and the nine minimum technology-based effluent controls for combined sewer systems. The City reports bypasses and wet weather discharges separately on the monthly Discharge Monitoring Reports, as a discharge from the City's permitted wet weather discharge is not a bypass under the City's current NPDES permit. Based on the foregoing, the WWTP experienced no bypasses during the reporting period of January 1, 2017 through March 31, 2017.

4.0 CSO Outfall Discharges

For the reporting period of January 1, 2017 through March 31, 2017 Chattanooga experienced CSO discharges from CSO outfall treatment facilities as listed in Table 4-1. Paragraph 8.(h) of the CD defines a CSO as “any discharge from the CSS from any outfall currently identified, or identified in the future, as a permitted combined sewer overflow outfall in any Chattanooga NPDES permit from which CSOs are discharged to waters of the United States or the State.” The CSS is defined as the portion of Chattanooga’s wastewater collection and transmission system (“WCTS”) designed to convey municipal sewage (domestic, commercial and industrial wastewaters) and storm water runoff through a single-pipe system to Chattanooga’s WWTP or CSO outfalls. Chattanooga operates eight (8) permitted CSO outfall treatment facilities, six (6) of which discharged during the reporting period.

Table 4-1

Quarterly CSO Outfall Discharge Report

January 1, 2017 – March 31, 2017						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
20-Jan-17	3:21 AM	Central Ave. CSO (002)	13.38	5.057620	Tennessee River	Rain Event
20-Jan-17	3:46 AM	Citico CSO (004)	11.60	2.353199	Tennessee River	Rain Event
20-Jan-17	3:11 AM	Tremont CSO (005)	0.32	0.023046	Tennessee River	Rain Event
20-Jan-17	3:20 AM	ML King CSO (007)	7.72	0.737028	Tennessee River	Rain Event
20-Jan-17	2:07 AM	19th St. CSO (008)	2.15	0.497982	Tennessee River	Rain Event
20-Jan-17	6:29 PM	19th St. CSO (008)	0.13	0.029912	Tennessee River	Rain Event
20-Jan-17	2:18 AM	Carter St. CSO (009)	5.03	1.561533	Tennessee River	Rain Event
21-Jan-17	1:05 PM	19th St. CSO (008)	0.22	0.010907	Tennessee River	Rain Event
22-Jan thru 23 Jan	9:26 PM	Central Ave. CSO (002)	5.32	4.131625	Tennessee River	Rain Event
22-Jan thru 23 Jan	9:39 PM	Citico CSO (004)	14.28	5.622523	Tennessee River	Rain Event
22-Jan thru 23 Jan	9:03 PM	Tremont CSO (005)	2.85	0.423536	Tennessee River	Rain Event
22-Jan thru 23 Jan	9:10 PM	ML King CSO (007)	13.12	2.508152	Tennessee River	Rain Event
22-Jan thru 23 Jan	8:39 PM	19th St. CSO (008)	4.07	0.837715	Tennessee River	Rain Event
22-Jan thru 23 Jan	8:36 PM	Carter St. CSO (009)	5.43	2.212652	Tennessee River	Rain Event
28-Feb-07	1:32 PM	Tremont CSO (005)	0.60	0.052862	Tennessee River	Rain Event
28-Feb-07	2:43 PM	19th St. CSO (008)	0.47	0.021809	Tennessee River	Rain Event
1-Mar-17	3:39 PM	Tremont CSO (005)	0.68	0.128117	Tennessee River	Rain Event

Table 4-1

Quarterly CSO Outfall Discharge Report

January 1, 2017 – March 31, 2017						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
1-Mar-17	3:44 PM	19th St. CSO (008)	0.12	0.079380	Tennessee River	Rain Event
7-Mar-17	3:56 PM	Tremont CSO (005)	2.47	0.333568	Tennessee River	Rain Event
7-Mar-17	5:37 PM	19th St. CSO (008)	0.12	0.000245	Tennessee River	Rain Event
28-Mar-17	4:16 AM	Central Ave. CSO (002)	1.23	0.591906	Tennessee River	Rain Event
28-Mar-17	12:55 AM	ML King CSO (007)	1.52	0.072208	Tennessee River	Rain Event
28-Mar-17	12:35 AM	19th St. CSO (008)	0.93	0.062589	Tennessee River	Rain Event